Stock, Gordon J.

From: colbpat@stc.co.il
Sent: Tuesday, February 24, 2004 3:50 AM
To: Stock, Gordon J.
Cc: global@stc.co.il
Subject: Re: 39024 Fw: USSN 10/037,925 INTERVIEW ON WEDNESDAY FEB 25 4:30 PM

Please see the attached PDF file containing the Applicant Initiated Interview Request Form and the proposed amendment.

Respectfully submitted,

Sanford T. Colb

----- Original Message -----

From: Stock, Gordon J.
To: global@stc.co.il
Sent: Monday, February 23, 2004 6:25 PM
Subject: RE: USSN 10/037,925 INTERVIEW ON WEDNESDAY FEB 25 4:30 PM

Mr. Colb:

That would be fine. However, I do need an Applicant Initiated Interview Request Form with the proposed amendment (PTOL-413A) in order to have a complete record of the interview for the file.
MPEP 713.01, 713.04.

Thank you.

–Gordon Stock

-----Original Message-----
From: global@stc.co.il [mailto:global@stc.co.il]
Sent: Friday, February 20, 2004 5:45 AM
To: Stock, Gordon J.
Subject: USSN 10/037,925 INTERVIEW ON WEDNESDAY FEB 25 4:30 PM

I PROMISED TO HAVE THE PROPOSED CLAIM AMENDMENTS FOR YOU ON MONDAY MORNING. UNFORTUNATELY, I TOOK THE WRONG MATERIALS WITH ME TO THE USA AND THE CORRECT OFFICIAL ACTION IS BEING EMAILED TO ME TODAY. I WILL HAVE THE PROPOSED AMENDMENTS TO YOU BY TUESDAY MORNING.

I APOLOGIZE FOR THE INCONVENIENCE.

RESPECTFULLY SUBMITTED,

SANFORD T. COLB

PTOL-413A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Applicant Initiated Interview Request Form

Application No.: 10/037,925 First Named Applicant: Eyal Shekel
Examiner: Gordon Stock Art Unit: 2877 Status of Application: pending

Tentative Participants:
(1) Sanford T. Colb (2)_____
(3)_____ (4)_____

Proposed Date of Interview: 02/25/2004 **Proposed Time:** 4:30 (AM/PM)

Type of Interview Requested:
(1) [ ] Telephonic (2) [X] Personal (3) [ ] Video Conference

Exhibit To Be Shown or Demonstrated: [ ] YES [x] NO
If yes, provide brief description:_____

Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1)_____	_____	_____	[ ]	[ ]	[ ]
(2)_____	_____	_____	[ ]	[ ]	[ ]
(3)_____	_____	_____	[ ]	[ ]	[ ]
(4)_____	_____	_____	[ ]	[ ]	[ ]

[ ] Continuation Sheet Attached

Brief Description of Arguments to be Presented:
Please see the attached proposed amendment

An interview was conducted on the above-identified application on 2/25/04.

NOTE:
This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).
This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

(Applicant/Applicant's Representative Signature) (Examiner/SPE Signature)

Proposed Amendment USSN 10/037,925

Cancel claims 1 - 7, 11 - 13 and 15 - 54 without prejudice.

8. (Amended) A method of alignment, comprising the steps of:

holding a first optical element in opposition to a second optical element for interalignment therewith, said second optical element including a plurality of receivers including a first marginal receiver and a second marginal receiver, said first optical element having a first axis and a second axis, and said second optical element having a third axis and a fourth axis;

detecting a plurality of light signals that pass from said first optical element to said second optical element, said light signals including a first light signal that impinges on said first marginal receiver, and a second light signal that impinges on said second marginal receiver;

in a first phase of operation rotating said first optical element about a Y-axis until said second axis is in a parallel alignment with said fourth axis; and

in a second phase of operation displacing said first optical element along said Y-axis;

while displacing said first optical element along said Y-axis, recording a signal strength of one of said first light signal and said second light signal; and

displacing said first optical element along a Z-axis until said signal strength has an optimal value, [The method according to claim 1] further comprising the steps of:

in said first phase of operation displacing said first optical element stepwise on an interval of said Z-axis, defining a plurality of incremental positions thereon;

at each of said incremental positions displacing said first optical element on an interval of said Y-axis;

while said step of displacing said first optical element on said interval of said Y-axis is being performed, determining a function of said first light signal and determining a [said] function of said second light signal;

after said step of displacing said first optical element stepwise on said interval of said Z-axis has been performed, determining a first point on said Z-axis where said function of said first light signal has a first optimum value and a second point on said Z-axis where said function of said second light signal has a second optimum value;

calculating a difference ΔZ between said second point and said first point;

responsive to said step of calculating rotating said first optical element about said Y-axis to reduce a distance between said first marginal receiver and said second point.

9. (Original) The method according to claim 8, wherein said step of rotating said first optical element about said Y-axis comprises rotation by an angle θ that is given by

$$\theta = \sin^{-1} (\Delta Z/d)$$

where d is a displacement between said first marginal receiver and said second marginal receiver.

10. (Original) The method according to claim 8, wherein said function is a full-width half maximum, said first optimum value and said second optimum value are each a minimum value of said function.

14. (Amended) A method of alignment, comprising the steps of:

holding a first optical element in opposition to a second optical element for interalignment therewith, said second optical element including a plurality of receivers including a first marginal receiver and a second marginal receiver, said

first optical element having a first axis and a second axis, and said second optical element having a third axis and a fourth axis;

detecting a plurality of light signals that pass from said first optical element to said second optical element, said light signals including a first light signal that impinges on said first marginal receiver, and a second light signal that impinges on said second marginal receiver;

in a first phase of operation rotating said first optical element about a Y-axis until said second axis is in a parallel alignment with said fourth axis; and

in a second phase of operation displacing said first optical element along said Y-axis;

while displacing said first optical element along said Y-axis, recording a signal strength of one of said first light signal and said second light signal; and

displacing said first optical element along a Z-axis until said signal strength has an optimal value, [The method according to claim 1] further comprising the steps of:

in a first iteration: displacing said first optical element on an interval of said Y-axis;

while said step of displacing said first optical element is being performed in said first iteration, determining a first point on said Y-axis wherein a first signal has a first maximum magnitude, and determining a first magnitude of a second signal at said first point;

rotating said first optical element about said Z-axis by a first increment;

in a second iteration: displacing said first optical element on said interval of said Y-axis;

while said step of displacing said first optical element is being performed in said second iteration, determining a second point on said Y-axis wherein said first light signal

has a second maximum magnitude, and determining a second magnitude of said second light signal at said second point;

responsive to a difference between said first magnitude and said second magnitude, rotating said first optical element about said Z-axis by a second increment.